



Derrick Pratt
(Erie Canal Museum)

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7 September 2022- 6:00 PM Dinner, 6:45 PM talk

Mr. Derrick Pratt (Erie Canal Museum) will present:

The Erie Canal- Then and Now: A Crash Course

The Erie Canal transformed and continues to transform New York. Why was the Erie Canal built? How was it built? How was it used once it was built? Where is it now? All these questions and more will be answered in this crash course on "Clinton's Ditch." Explore the unique geography that made the Erie Canal possible, the incredible engineering innovations that made it, and the social, political, and economic changes it wrought upon the United States with the Erie Canal Museum's Educator.

***PLEASE NOTE THAT BEGINNING THIS MONTH, CNYAPG
MONTHLY MEETINGS WILL BE HELD THE FIRST
WEDNESDAY OF EACH MONTH***

BOTH IN-PERSON and VIRTUAL options are available!

Virtual registrants will receive Zoom login instructions the morning of 9/7/22 and we look forward to seeing in-person registrants at the Spaghetti Warehouse!

Location: Spaghetti Warehouse, 689 North Clinton Street, Syracuse, New York or ZOOM

Time: 5:00 – 6:00p.m. social hour: 6:00-6:30p.m. dinner; 6:45p.m. technical presentation

RSVP: <https://cnyapg.org/> or Bonnie (Parratt Wolff) bolney@pwinc.com or (315) 437-1429

Next dinner meeting - October 2022

CNYAPG Newsletter

The CNYAPG Newsletter is a monthly publication of the Central New York Association of Professional Geologists dedicated to sharing upcoming events, delivering regular articles of interest and providing the Membership a forum for discussion.

The newsletter is prepared by the Officers and Board of Directors of CNYAPG (listed below).

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Bill McCune
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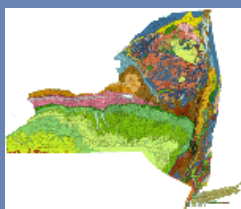
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President's Message— September 2022

We are back! Once again, as President of the Central New York Association of Professional Geologists (CNYAPG), I would like to welcome both our returning members and sponsors and our newly enrolled members, and new supporting sponsors, to our 2022-2023 season. On behalf of the CNYAPG board of directors, I would like to say we all hope you and your loved ones are well and had an excellent summer. CNYAPG has again put together a great lineup of guest speakers with some enthralling talks. We will be continuing to host both in-person (at Spaghetti Warehouse) and virtual (via Zoom) presentations. In order to give our members who are licensed professional geologists, more continuing education options during the upcoming months, we have changed the day of the month on which we host our monthly meeting. Starting this September, CNYAPG's monthly meeting will now be on the 1st Wednesday of the month.

So, on Wednesday, September 7th, we will start our new season with Derrick Pratt of the Erie Canal Museum. Derrick will be presenting: How and Why the Erie Canal was built and its current state and its future. On Wednesday, October 5th we will be hosting Dr. Nicholas Metz from Hobart and Smith College as our featured speaker. I hope all of you will be able to attend either in-person or virtually. I am sure both will be fascinating presentations and will spur lively discussions.

Some other geologically related events that are planned for the near future: On September 23rd thru the 25th the New York State Geological Association (NYSGA) is planning to host their 93rd Annual Field Conference. It will be hosted by the geology program at the State University of New York at Oswego, please visit: nysga-online.org for more details. On September 26th, The American Institute of Professional Geologists (AIPG) will be hosting a Town Hall presentation on PFAS (per-and polyfluoroalkyl substances) via Zoom, visit: aipg.org/events for details.

Lastly, from October 17th thru 19th, the New York State Council of Professional Geologists (NYSCPG) will be hosting its Geology Days Conference in Saratoga Springs. This will be the very first of a planned annual state-wide conference of New York State geoscience professionals. Already scheduled to be in attendance will be representatives from numerous environmental and geotechnical consulting firms, state and local agencies, college and university geoscience faculty, and vendors and suppliers from across the state (see the posting in this newsletter).

As I have done in past messages, I encourage all of you to stay involved in the Geosciences Community. When possible, participate in local student science events (online or in-person) and continue to engage our community at any level you are comfortable with. CNYAPG is still looking for interesting photos of our local geology, geological-related puzzles, and brain teasers for our newsletter. Also, keep an eye out for CNYAPG's call for student research proposals for our 2022-2023 Earth Science Student Research Grant. I would also like to remind you that any monetary contribution to the Student Research Grant fund would be most welcome. The CNYAPG Earth Science student Research Grants directly supports student geoscience research. If you have questions regarding CNYAPG's Scholarship fund, please contact us at

President's Message (Continued...)

scholarship@cnyapg.org.

Two things in closing; one, I would like to again say welcome to the 2022-2023 CNYAPG dinner-speaker season, and I hope we can all make this, yet another, fantastic year. Two, as I have made a hallmark of my letters, I leave you with a quote: "Adapt what is useful, reject what is useless, and add what is specifically your own." – Bruce Lee.

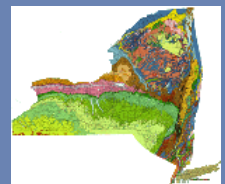
I look forward to seeing all of you at the talks.

Calvin K. Prothro; P.G., CPG
President, CNYAPG



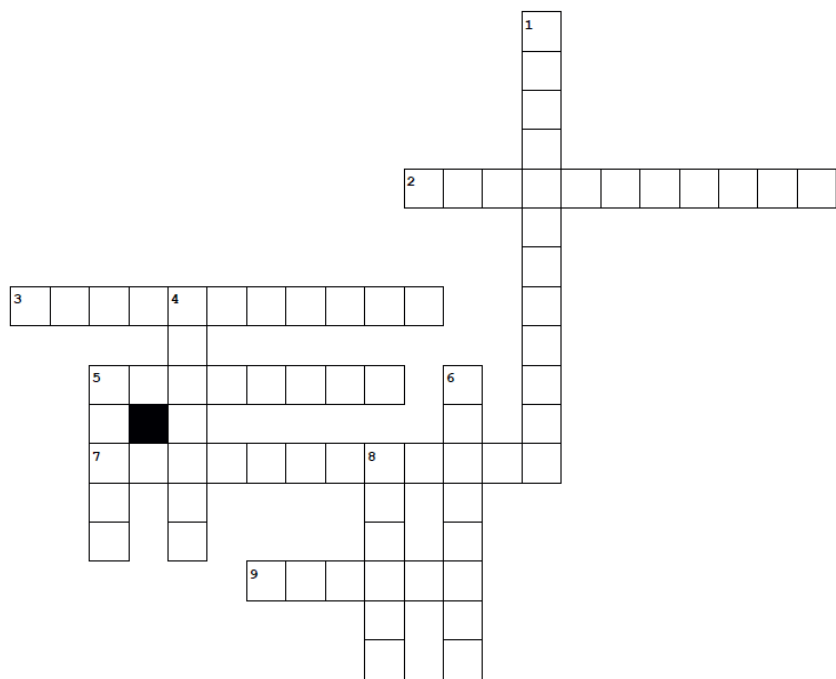
Photo Courtesy of Stephen Wright
Switzerland.

The CNYAPG was founded in 1993 to strengthen and advance the geological sciences. CNYAPG conducts regular meetings on the third Wednesday of each month from September to May. Meetings feature dinner and distinguished speakers whose presentations invite comment and discussion.



www.cnyapg.org
www.twitter.com/cnyapg

CNY APG



Across

2. Sang 'Jolene'
3. Coarse crystals in a fine groundmass
5. Proposed Syracuse development is fishy
7. Current epoch, defined by human influence
9. From under our lakes onto our roads

Down

1. Big clasts, big business
4. 1st & 3rd president of the Republic of Texas
5. Remember it was overrun by Mexico
6. Arguably the greatest Human invention
8. Largest lake by area entirely within NY

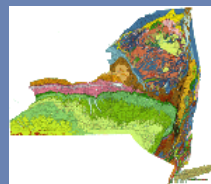
Puzzle courtesy of Lewis McCaffrey

In response to reader request— the answers to the crossword will now be located on the last page of the same issue in which the puzzle appears.



Photo Courtesy of Will Hackett
Switzerland.

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Thank you to our Sponsors!

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Environmental Petrography Services

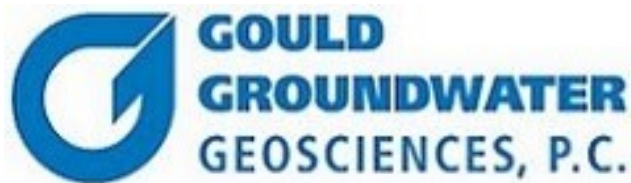
We characterize the mineralogy/chemistry, texture, structure, porosity, and organic matter content of rock, soil, or sediment to assist and enhance environmental investigation

- ❖ Optical Microscopy
- ❖ X-Ray Powder Diffraction
- ❖ Scanning Electron Microscopy
- ❖ Electron Probe Microanalysis
- ❖ Energy and Wavelength Dispersive Spectroscopy

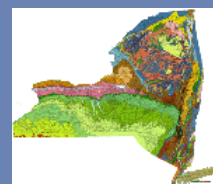
Geochemistry/Chemical Hydrogeology

We assist with evaluation techniques focused on the chemical properties of water and its interactions with rock, soil, or sediment as a compliment to standard hydrogeology techniques, which typically focus on the physical properties and available quantity of water (i.e., flow paths/flow rates)

- ❖ Water Types/Hydrochemical Facies Evaluation
- ❖ Graphical Data Analysis/Mapping
- ❖ Geochemical Calculations/Modeling
- ❖ Statistical Analysis



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Upcoming Events

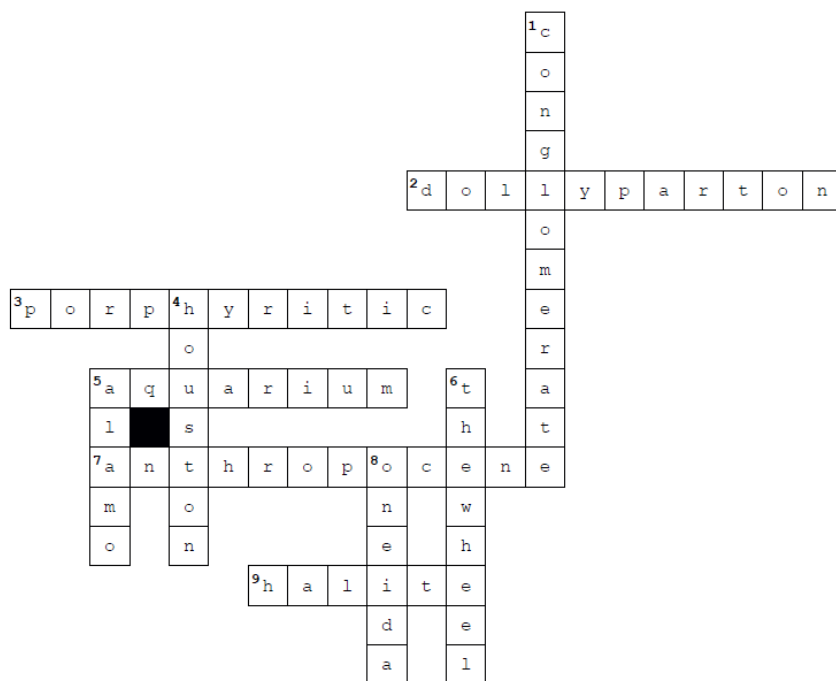
September 7 2022 6:00 PM– CNYAPG– Derrick Pratt– Erie Canal Museum—Dinner Meeting

www.cnyapg.org

September 23-25 2022 – NYSGA– 93rd Annual Meeting

www.nysga-online.org

CNY APG



Across

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1. Big clasts, big business
4. 1st & 3rd president of the Republic of Texas
6. Arguably the greatest Human invention
8. Largest lake by area entirely within NY

Puzzle courtesy of Lewis McCaffrey
Answer Key– September puzzle

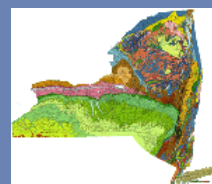
CNYAPG Governance

Membership Renewal

CNYAPG's membership period follows the CNYAPG meeting year from September through August. Renewals are due in September. To renew or become a new member, simply complete the membership form, available on our website at www.cnyapg.org. Membership is only \$25 per year and all money received is used in support of our organization.

Join CNYAPG at our social networking groups on [Facebook](#) and [LinkedIn](#). These sites (always under development) will provide online forums for discussion, as well as another way to inform our members and networking opportunities. For more information about our social media sites e-mail us at admin@cnyapg.org.

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New York State Geological Association

93rd Annual Meeting

**Field trips, conference information and
registration form**



Hosted by the State University of New York at Oswego

September 23-25, 2022

Field Trips

FRIDAY, SEPTEMBER 23, 2022

F-1 A PRIMER ON UAV'S FOR GEOLOGICAL RESEARCH: EROSION AT MCINTYRE BLUFF, STERLING, NY, RACHEL J. LEE

The trip will begin at the Sterling Nature Center in Cayuga County, NY at 2:45PM, with the drone demonstrations at McIntyre Bluff from 3-4PM. 43°22'39.87"N; 76°39'28.05"W. **Field trip limit of 15 attendees**

SATURDAY, SEPTEMBER 24, 2022

A-1 THE SALT OF THE EARTH AND THE SOUL OF THE SILURIAN SEA: THE UPPER SILURIAN SYRACUSE FORMATION AND ADJACENT FORMATIONS IN CENTRAL NEW YORK, JON FOX

The trip will begin at 8:30 AM at Shove Park, Town of Camillus, Onondaga County, NY, Coordinates: 43° 2'21.13"N, 76°15'6.91"W. **Field trip limit of 50 attendees**

A-2 IGNEOUS AND METAMORPHIC ROCKS OF THE BLACK AND MOOSE RIVER VALLEYS, WESTERN ADIRONDACK HIGHLANDS, NY, ROBERT S. DARLING

The trip will begin at 8:30 AM at the parking lot of the Edge Hotel, Route 12, Lyons Falls, NY. The Edge Hotel is located 40 miles north of Utica on Route 12. Meeting Point Coordinates: 43.6217°N, 75.3717°W. **Field trip limit of 30 attendees.**

A-3 THE PISECO LAKE SHEAR ZONE: A SHAWINIGAN CRYPTIC SUTURE IN THE SOUTHERN ADIRONDACK MOUNTAINS, NEW YORK, DAVE VALENTINO AND JEFF CHIARELZELLI

Trip will start in Speculator, NY at 9:30AM at the Charlie John's parking lot. There will not be a stop to purchase provisions, so arrive prepared. All are welcome including large student groups. **Field trip has no attendee limit.**

A-4 OUTDOOR EARTH SCIENCE: A GEOLOGICAL/ECOLOGICAL NATURE TRAIL FOR STUDENTS OF ALL AGES, NICHOLAS DIFRANCESCO

The field trip will begin at 10AM at the Rice Creek Field Station parking lot (43°25'48.54"N; 76°32'57.46"W) **Field trip limit of 50 attendees.**

SUNDAY, SEPTEMBER 25, 2022

B-1 DETRITAL ZIRCON GEOCHRONOLOGY OF THE ADIRONDACK LOWLANDS, JEFF CHIARENZELLI, WILLIAM DELORAINE, MARIAN LUPULESCU AND ERKAN TORAMAN

The trip will start at 9 am at the US Post Office parking lot on Main Street in Richville, NY (44°25'2.88"N, 75°23'28.40"W). **Field trip has a limit of 30 attendees.**

B-2 EASTERN LAKE ONTARIO DUE-WETLAND COMPLEX FROM THE PLEISTOCENE TO TODAY: LAURENTIDE ICE SHEET DEGLACIATION, SHORELINE EVOLUTION AND MODERN GEOECOLOGY, ROY L. WIDRIG

Trip will start at 9AM at the Black Pond Wildlife Management Area (43°48'7.66"N; 76°13'26.64"W). Attendees should be prepared to walk on loose sand for most of the field stops, and should pack provisions for lunch. **Limit 25 attendees.** Car pool will be necessary due to tight parking at some stops.

B-3 MIDDLE ORDOVICIAN CLASTIC, FRACTURES, FAULTS AND WATER FALL: GEOLOGY OF THE SALMON RIVER GORGE, ALTMAR, NEW YORK, DAVE VALENTINO, JOSH VALENTINO AND RICHARD INCLIMA

Trip will start at 9AM at the parking lot for Salmon River falls in Altmar, NY. **The trip has a limit of 50 attendees.** Please pack a lunch and be prepared to climb into the Salmon River gorge on the steep staircase (>30 meters).

Conference and Field Trip Information

1. As NYSGA continues to recover from the postponed conference in 2020, and the concern over large groups of people gathering in doors, there will not be a formal banquet held for the 2022 meeting.
2. An informal reception (and walk through registration) will take place from 5-8PM on Friday in the Ballroom in Sheldon Hall at SUNY Oswego. Please refer to the following website for the location.
3. An informal gathering will take place on Saturday evening at the Press Box Restaurant, located on East First Street in Oswego. There will not be a formal banquet again this year, but attendees are encouraged to join the group at the restaurant if you will be looking for a place to eat and drink. There are many other restaurants and pubs in Oswego.
4. **All field trips have starting locations posted, and none will start at SUNY Oswego.** This is being done to avoid having a large group of people congregate at one place.
5. **Transportation will not be provided by SUNY Oswego.** All field trip attendees are encouraged to contact the field trip leaders about transportation. In some cases, limited car-pool will be necessary due to limited parking. Please read the information provided below each field trip and plan your conference accordingly.
6. There are many hotels in Oswego, NY. That said, if you plan to make the trip to Oswego, then you are encouraged to reserve a hotel room as soon as you decide. The salmon fishing season will be in full swing during the conference, and hotels are often full of anglers.
7. **Field guide will be made available online, free of charge, in advance of the conference on the association website (www.nysga-online.org).** Field trip attendees are encouraged to self-print the sections of the field guide that include trips of interest. There will not be hard-copy guidebooks available at the conference. There will be an opportunity to get hardcopy guidebooks after the conference.

New York State Geological Association, 93rd Annual Meeting Registration Form

Please print this form, fill out contact information, choose field trips, and mail it to NYSGA with payment by September 16, 2022. Late arrival of this form may limit field trip options.

Name: _____

Address: _____

Email address: _____

There is one professional and one student fee to attend NYSGA 2022. There are no reduced fees for attending only one day of the conference. Everyone that attends the NYSGA 2022 field trips must be registered for the conference.

Due to the limit of attendees for some field trips, please make two selections on the registration form below. Write the field trip number (example A-1) in your first and second choice. First come, first served, and you will be notified by email if you do not get your first choice of field trip.

Friday, September 23, 2022

Trip F-1 _____

Saturday, September 24, 2022

First choice _____

Second choice _____

Sunday, September 25, 2022

First choice _____

Second choice _____

Choose One

_____ Professional Registration (non-student): **\$20 fee**

_____ Student Registration (currently a college student at any level or status): **\$5 fee**

Make payment (checks only) to the New York State Geological Association.

Please print and mail this form by September 16, 2022 to:

**New York State Geological Association (Dave Valentino)
Department of Atmospheric and Geological Sciences
State University of New York at Oswego
Oswego, New York 13126**